



ARCHITECTS & INTERIOR DESIGNERS, P.C.

August 3, 2009

Chief Mark Frese
Davenport Fire Department
Central Fire Station
331 Scott Street
Davenport, Iowa 52801

Re: City of Davenport
Central Fire Station
Remodeling & Additions
Project No. 0911

SGGM Architects & Interior Designers was commissioned by the Davenport Fire Department to develop a preliminary design to renovate and expand the current historic building at 331 Scott Street. The design drawings have been part of submissions for grant funding. Requirements of the submissions have included questions regarding sustainable design. The design team we have assembled for this project includes IEFM Consulting Engineers of Coal Valley, Illinois. Brian Stone, one of their principal engineers is LEED accredited, and I have been consulting with him on how we direct our planning to employ LEED points. We have met and examined the application of sustainable design and believe that the Basic LEED certification is achievable without much extended planning, cost or impact on the schematic design, for a total of 43 points. There are a number of "maybe" point categories which could add another 20 points, but we feel that a reasonable goal is the Silver certification level (50 points). Enclosed is a letter from Mr. Stone, stating his expectations as a LEED Accredited Professional regarding our study of the point categories. Also included is our preliminary LEED scorecard demonstrating how we will achieve the certification.

Please let me know if you have any questions regarding this matter.

We look forward to our continued involvement in this important project.

Sincerely,

SCHOLTZ GOWEY GERE MAROLF

John E. Gere, AIA

0911/Chief Mark Frese 8-3-09

Enc... IEFM letter (Brian Stone)
LEED 2009 Project Scorecard

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COAL VALLEY, ILLINOIS 61240
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iefm@iefmconsultingengineers.com

Scholtz Gowey Gere Marolf
1800 3RD Avenue (600)
Rock Island, Illinois 61201

Attn: Mr. John Gere

Subject: Central Fire Station Remodel and Addition
IEFM File: 09-010

Dear John,

We have reviewed the LEED pre-requisites and credits based on the LEED 2009 for New Construction and Major Renovation Guidelines as they would apply to this project.

We have determined that a LEED Silver Certification level should be achievable for this project based on our initial review meeting of the LEED credit requirements and the preliminary project scorecard that was prepared. Please find attached the preliminary project scorecard for reference on the anticipated LEED Credits and their point scoring values.

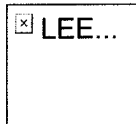
Please plan to review the LEED Credits and project scorecard with the design team at our initial design team meetings to assure that the desired LEED Credits can be achieved. We will also need to register the project with GBCI and prepare forms and documentation on-line for each credit attempted.

We look forward to working with you and the design team on this project. Please contact us if you have any questions or concerns in regard to LEED Certification requirements.

Sincerely,



Brian D. Stone, P.E., LEED-AP



LEED 2009 for New Construction and Major Renovation Project Scorecard

Project Name: Central Fire Station Remodel and Addition
Project Address: 331 Scott Street, Davenport, Iowa

Yes ? No

17 5 4 SUSTAINABLE SITES 26 Points

Y	Prereq 1	Construction Activity Pollution Prevention	Required
1	Credit 1	Site Selection	1
5	Credit 2	Development Density and Community Connectivity	5
1	Credit 3	Brownfield Redevelopment	1
6	Credit 4.1	Alternative Transportation - Public Transportation Access	6
1	Credit 4.2	Alternative Transportation - Bicycle Storage and Changing Rooms	1
3	Credit 4.3	Alternative Transportation - Low-Emitting and Fuel-Efficient Vehicles	3
2	Credit 4.4	Alternative Transportation - Parking Capacity	2
1	Credit 5.1	Site Development - Protect or Restore Habitat	1
1	Credit 5.2	Site Development - Maximize Open Space	1
1	Credit 6.1	Stormwater Design - Quantity Control	1
1	Credit 6.2	Stormwater Design - Quality Control	1
1	Credit 7.1	Heat Island Effect - Nonroof	1
1	Credit 7.2	Heat Island Effect - Roof	1
1	Credit 8	Light Pollution Reduction	1

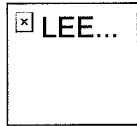
Yes ? No

4 4 WATER EFFICIENCY 10 Points

Y	Prereq 1	Water Use Reduction	Required
4	Credit 1	Water Efficient Landscaping	2 to 4
		Reduce by 50%	2
		4 No Potable Water Use or Irrigation	4
2	Credit 2	Innovative Wastewater Technologies	2
2	Credit 3	Water Use Reduction	2 to 4
		2 Reduce by 30%	2
		Reduce by 35%	3
		Reduce by 40%	4

13 2 ENERGY & ATMOSPHERE 35 Points

Y	Prereq 1	Fundamental Commissioning of Building Energy Systems	Required
Y	Prereq 2	Minimum Energy Performance	Required
Y	Prereq 3	Fundamental Refrigerant Management	Required
5	Credit 1	Optimize Energy Performance	1 to 19
		Improve by 12% for New Buildings or 8% for Existing Building Renovations	1
		Improve by 14% for New Buildings or 10% for Existing Building Renovations	2
		Improve by 16% for New Buildings or 12% for Existing Building Renovations	3
		Improve by 18% for New Buildings or 14% for Existing Building Renovations	4
5		Improve by 20% for New Buildings or 16% for Existing Building Renovations	5
		Improve by 22% for New Buildings or 18% for Existing Building Renovations	6
		Improve by 24% for New Buildings or 20% for Existing Building Renovations	7
		Improve by 26% for New Buildings or 22% for Existing Building Renovations	8
		Improve by 28% for New Buildings or 24% for Existing Building Renovations	9
		Improve by 30% for New Buildings or 26% for Existing Building Renovations	10
		Improve by 32% for New Buildings or 28% for Existing Building Renovations	11
		Improve by 34% for New Buildings or 30% for Existing Building Renovations	12
		Improve by 36% for New Buildings or 32% for Existing Building Renovations	13
		Improve by 38% for New Buildings or 34% for Existing Building Renovations	14
		Improve by 40% for New Buildings or 36% for Existing Building Renovations	15
		Improve by 42% for New Buildings or 38% for Existing Building Renovations	16
		Improve by 44% for New Buildings or 40% for Existing Building Renovations	17
		Improve by 46% for New Buildings or 42% for Existing Building Renovations	18
		Improve by 48%+ for New Buildings or 44%+ for Existing Building Renovations	19
1	Credit 2	On-Site Renewable Energy	1 to 7
		1 1% Renewable Energy	1
		3% Renewable Energy	2
		5% Renewable Energy	3
		7% Renewable Energy	4
		9% Renewable Energy	5
		11% Renewable Energy	6
		13% Renewable Energy	7
2	Credit 3	Enhanced Commissioning	2
2	Credit 4	Enhanced Refrigerant Management	2



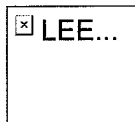
LEED 2009 for New Construction and Major Renovation Project Scorecard

Project Name: Central Fire Station Remodel and Addition
Project Address: 331 Scott Street, Davenport, Iowa

Yes	?	No
3		
2		

Credit 5 **Measurement and Verification**
Credit 6 **Green Power**

3
2



LEED 2009 for New Construction and Major Renovation Project Scorecard

Project Name: Central Fire Station Remodel and Addition
Project Address: 331 Scott Street, Davenport, Iowa

Yes ? No
Yes ? No

3 2 4 MATERIALS & RESOURCES 14 Points

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 1	Storage and Collection of Recyclables	Required
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 1.1	Building Reuse - Maintain Existing Walls, Floors and Roof	1 to 3
				<input type="checkbox"/> Reuse 55%	1
				<input type="checkbox"/> Reuse 75%	2
				<input type="checkbox"/> Reuse 95%	3
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 1.2	Building Reuse - Maintain Interior Nonstructural Elements	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 2	Construction Waste Management	1 to 2
				<input checked="" type="checkbox"/> 50% Recycled or Salvaged	1
				<input type="checkbox"/> 75% Recycled or Salvaged	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 3	Materials Reuse	1 to 2
				<input type="checkbox"/> Reuse 5%	1
				<input type="checkbox"/> Reuse 10%	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 4	Recycled Content	1 to 2
				<input checked="" type="checkbox"/> 10% of Content	1
				<input type="checkbox"/> 20% of Content	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 5	Regional Materials	1 to 2
				<input checked="" type="checkbox"/> 10% of Materials	1
				<input type="checkbox"/> 20% of Materials	2
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 6	Rapidly Renewable Materials	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 7	Certified Wood	1

12 3 INDOOR ENVIRONMENTAL QUALITY 15 Points

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 1	Minimum Indoor Air Quality Performance	Required
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 1	Outdoor Air Delivery Monitoring	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 2	Increased Ventilation	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 3.1	Construction Indoor Air Quality Management Plan - During Construction	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 3.2	Construction Indoor Air Quality Management Plan - Before Occupancy	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 4.1	Low-Emitting Materials - Adhesives and Sealants	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 4.2	Low-Emitting Materials - Paints and Coatings	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 4.3	Low-Emitting Materials - Flooring Systems	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 4.4	Low-Emitting Materials - Composite Wood and Agrifiber Products	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 5	Indoor Chemical and Pollutant Source Control	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 6.1	Controllability of Systems - Lighting	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 6.2	Controllability of Systems - Thermal Comfort	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 7.1	Thermal Comfort - Design	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 7.2	Thermal Comfort - Verification	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 8.1	Daylight and Views - Daylight	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 8.2	Daylight and Views - Views	1

1 1 INNOVATION IN DESIGN 6 Points

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 1	Innovation in Design	1 to 5
				<input type="checkbox"/> Innovation or Exemplary Performance	1
				<input type="checkbox"/> Innovation or Exemplary Performance	1
				<input type="checkbox"/> Innovation or Exemplary Performance	1
				<input type="checkbox"/> Innovation	1
				<input type="checkbox"/> Innovation	1
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 2	LEED® Accredited Professional	1

REGIONAL PRIORITY 4 Points

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Credit 1	Regional Priority	1 to 4
				<input type="checkbox"/> Regionally Defined Credit Achieved	1
				<input type="checkbox"/> Regionally Defined Credit Achieved	1
				<input type="checkbox"/> Regionally Defined Credit Achieved	1
				<input type="checkbox"/> Regionally Defined Credit Achieved	1

50 13 12 PROJECT TOTALS (Certification Estimates) 110 Points

Certified: 40-49 points Silver: 50-59 points Gold: 60-79 points Platinum: 80+ points